



STATE OF TENNESSEE  
**DEPARTMENT OF ENVIRONMENT AND CONSERVATION**  
**State Revolving Fund Loan Program**  
L & C Tower, 8<sup>th</sup> Floor  
401 Church Street  
Nashville, TN 37243

**FINDING OF NO SIGNIFICANT IMPACT AMENDMENT**

**Approval of Facilities Plan Amendment  
Humboldt (Gibson County), Tennessee  
Project No. SRF 2011-277**

**November 22, 2011**

The National Environmental Policy Act requires federally designated agencies to determine whether a proposed major agency action will significantly affect the environment. One such major action, defined by Section 511(c)(1) of the Clean Water Act, is the approval of a facilities plan prepared pursuant to Title VI of the Clean Water Act. In making this determination, the State Revolving Fund (SRF) Loan Program assumes that all facilities and actions recommended by the plan will be implemented. The State's analysis concludes that implementing the plan will not significantly affect the environment; accordingly, the State Revolving Fund Loan Program is issuing this Finding of No Significant Impact (FNSI) Amendment for public review.

A previous FNSI, dated December 23, 2010, included replacement of approximately 3,000 linear feet (LF) of existing 10-inch diameter clay gravity sewers with 15-inch diameter PVC gravity sewers in the area around and between Hawks Loop/Henley Field Park and the replacement of approximately 1,800 LF of 21-inch diameter vitrified clay gravity sewer along Highway 70/79 (West Main Street) with 30-inch diameter ductile iron gravity sewer. A copy of the previous FNSI may be viewed at the offices of the State Revolving Fund Loan Program.

This FNSI Amendment addresses modification and replacement of the existing 3<sup>rd</sup> Street wastewater pumping station and force main. The figure showing the project location is attached.

Attached is an Environmental Assessment Amendment containing detailed information supporting this action. Comments supporting or disagreeing with this proposed action received within 30 days of the date of this FNSI Amendment will be evaluated before we make a final decision to proceed. If you wish to comment or to challenge this FNSI Amendment, send your written comment(s) to:

Mr. Sam R. Gaddipati, Environmental Manager  
State Revolving Fund Loan Program  
Tennessee Department of Environment and Conservation  
L & C Tower, 8th Floor  
401 Church Street  
Nashville, TN 37243

or call or e-mail (615) 532-0462 or [sam.gaddipati@tn.gov](mailto:sam.gaddipati@tn.gov) .

## **ENVIRONMENTAL ASSESSMENT AMENDMENT**

**Humboldt (Gibson County), Tennessee**

**Project No. SRF 2011-277**

**November 22, 2011**

### **A. PROPOSED FACILITIES AND ACTIONS; FUNDING STATUS**

A previous Environmental Assessment (EA) statement, dated December 23, 2010, included replacement of approximately 3,000 linear feet (LF) of existing 10-inch diameter clay gravity sewers with 15-inch diameter PVC gravity sewers in the area around and between Hawks Loop/Henley Field Park and the replacement of approximately 1,800 LF of 21-inch diameter vitrified clay gravity sewer along Highway 70/79 (West Main Street) with 30-inch diameter ductile iron gravity sewer. A copy of the previous EA may be viewed at the offices of the State Revolving Fund Loan Program.

This EA Amendment addresses modification and replacement of the existing 3<sup>rd</sup> Street wastewater pumping station and force main. The figure showing the project location is attached. The proposed project consists of the replacement of two existing 7.5 horsepower wastewater pumps with two new 20 horsepower suction lift wastewater pumps. A new 10-inch diameter force main pipeline will be installed from the pumping station to an existing 10-inch cast iron gravity line for conveyance to the Humboldt Wastewater Treatment Plant. This new force main will replace an existing 4-inch force main and an approximately 1,200 LF section of deteriorated gravity sewer pipeline currently being used to convey discharge from the pumping station to the existing collection system. Two new grinder pumping stations will be required for four existing services which currently discharge to the deteriorated gravity sewer which is being removed from service. These two new grinder pumping stations will discharge to the new 10-inch force main via 1.25-inch low pressure force mains. The new 10-inch force main will connect to an existing 10-inch cast iron line which will convey the flow under existing railroad tracks to a new manhole. From this new manhole, the flow will be conveyed to a manhole which was replaced as part of the original project via a new 12-inch ductile iron gravity flow pipe.

### **B. REASONS FOR CHANGE**

The existing 3<sup>rd</sup> Street wastewater pumping station has inadequate hydraulic capacity to convey the wet weather flows generated in this section of the Humboldt wastewater collection system. This lack of capacity has caused the collection system draining into the pumping station to experience surcharging of manholes during wet weather events.

### **C. ENVIRONMENTAL CONSEQUENCES; MITIGATIVE MEASURES**

During the construction phase, short-term environmental impacts due to noise, dust, mud, disruption of traffic, runoff of silt with rainfall, etc., are unavoidable. Minimization of these impacts will be required; however, many of these minimization measures will only be temporary. Using the following measures to prevent erosion will minimize impacts on the environment:

1. Specifications will include temporary and permanent measures to be used for controlling erosion and sediment.
2. Soil or landscaping maintenance procedures will be included in the specifications.

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3. The contractor will develop an Erosion Control Plan. It will contain a construction schedule for each temporary and permanent measure controlling erosion and sediment. It will include the location, type, and purpose for each measure and the times when temporary measures will be removed or replaced.

These measures, along with requiring the contractor to return the construction site to as-good-as or better-than its original condition, will prevent any adverse impacts due to erosion.

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The State Historic Preservation Officer has reviewed the project and has determined that the project will not impact known significant cultural resources.

No prime or unique agricultural lands or wetlands were identified and therefore will not be adversely affected. Effects on flora and fauna will be confined and temporary. No endangered species of flora or fauna were identified within the proposed construction corridor.

### **D. PUBLIC PARTICIPATION; SOURCES CONSULTED** (If applicable)

A Public Meeting was held on October 6, 2010 at 6:30 p.m., local time. The selected wastewater treatment plan and user charges were described to the public, and their input was received. This agency is not aware of any unresolved public objections that may have been voiced before or after the public meeting regarding this project.

The annual median household income for the City of Humboldt is \$36,782. The current water user rate for the typical residential user (5,000 gallons per month) increased from \$19.00 to \$20.25 per month on January 1, 2011. The total incremental annual cost for this project is \$15.00, which is approximately 0.04 percent of the current annual household median income.

Sources consulted about this project for information or concurrence were:

1. Tennessee Department of Agriculture
2. Tennessee Department of Economic and Community Development (ECD)
3. Tennessee Division of Air Pollution Control (DAPC)
4. Tennessee Department of Transportation (TDOT)
5. Tennessee Division of Groundwater Protection (DWGP)
6. Tennessee Historical Commission
7. Tennessee Division of Archaeology (DA)
8. Tennessee Division of Natural Heritage (DNH)
9. Tennessee Division of Solid Waste Management (DSWM)
10. Tennessee Division of Water Pollution Control (DWPC)
11. Tennessee Division of Water Supply (DWS)
12. Tennessee Wildlife Resources Agency (TWRA)
13. United States Army, Corps of Engineers (USACE)
14. United States Fish and Wildlife Service (USF&W)
15. City of Humboldt
16. Gibson County
17. J.R. Wauford and Co., Jackson, TN